

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-101949
(43)Date of publication of application : 09.04.2002

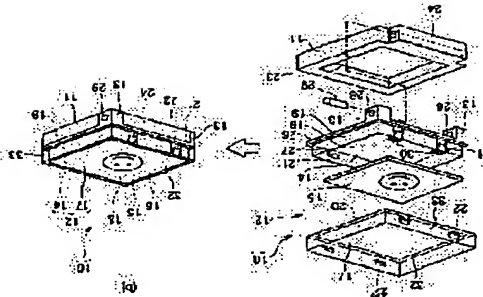
(51)Int.Cl. A45D 33/00
A45D 33/18
A45D 33/20

(21)Application number : 2000-301677 (71)Applicant : KAO CORP
YOSHIDA INDUSTRY CO LTD
(22)Date of filing : 02.10.2000 (72)Inventor : AOYAMA AKITERU
ASO MASAHARU
IDESHITA HIROSHI
YUZUHARA YUKITOMO

(54) COMPACT VESSEL

(57)Abstract:
PROBLEM TO BE SOLVED: To provide a compact vessel enabling a easy change of an appearance different from its selling state and making an user enjoy changing an original design responding to a preference or a circumstance.

SOLUTION: This flat compact vessel 10 comprises a body vessel 11 storing powdered cosmetic material in a storing recessed part 23, and a lid body 12 hinged with one side of the body vessel 11. The lid body 12 comprises an inner lid 14 having a hinge joint 13 to the body vessel 11 on its one side, and a transparent or translucent canopy 17 that holds an insert space 16 for filling information sheet 15 between it and the inner lid 14 and is piled and jointed onto the inner lid 14. The lid body 12 has an opening/closing means comprising engaging projections 21 and 21' and engaging grooves 22 and 22' for opening/closing the insert space 16, and allows exchange of the filled information sheet 15.



LEGAL STATUS

[Date of request for examination]
[Date of sending the examiner's decision of rejection]
[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]
[Date of final disposal for application]
[Patent number]
[Date of registration]
[Number of appeal against examiner's decision]

* NOTICES *

JPO and NCIP1 are not responsible for any damages caused by the use of this translation.

- 1.This document has been translated by computer. So the translation may not reflect the original precisely.
- 2.*** shows the word which can not be translated.
- 3.In the drawings, any words are not translated.

CLAIMS

[Claim(s)]

[Claim 1] In the compact container of the flat configuration which becomes the one-side section of the body container which held contents, and this body container from the lid by which hinge association was carried out said lid it consists of the transparency or the translucent canopy piled up and joined to this inner lid, holding the plug space section which encloses an information sheet between the inner lid which equips the one-side section with the hinge bond part to said body container, and this inner lid. And said lid is the compact container which was equipped with a closing motion means to open and close said plug space section, and made exchangeable said information sheet enclosed.

[Claim 2] The compact container according to claim 1 said whose contents are the charges of makeup.

[Claim 3] It is the compact container according to claim 1 or 2 which said canopy has the concave part to be fitted in which the top-face section and the lateral portion of said inner lid are covered, and said inner lid is inserted, and is constituted when said closing motion means attaches said canopy in said inner lid removable through the stop means formed in the lateral portion of said inner lid, and the inside surface part of said concave part to be fitted.

[Claim 4] It is the compact container according to claim 1 or 2 constituted by carrying out 2 ****s of said canopy to a fixed part and the slide section, said closing motion means' carrying out slide migration of said slide section to said fixed part by which junction immobilization was carried out at said inner lid, opening and closing said plug space section, and fixing said slide section to said fixed part through a stop means at the time of enclosure of said information sheet.

[Claim 5] It is the compact container according to claim 1 or 2 which 2 ****s of said canopy are carried out to a fixed part and the rotation section, and is constituted by said closing motion means' making said inner lid rotate said rotation section to said fixed part by which junction immobilization was carried out, opening and closing said plug space section, and fixing said rotation section to said fixed part through a stop means at the time of enclosure of said information sheet.

[Translation done.]

* NOTICES *

JP0 and NCIP1 are not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Industrial Application] This invention relates to the compact container of the flat configuration which becomes the one-side section of the body container which held contents, and this body container from the lid by which hinge association was carried out.

[0002]

[Description of the Prior Art] The compact container which becomes the one-side section of the body container which held contents, such as a charge of makeup, and this body container from the lid by which hinge association was carried out is a container convenient to have a flat configuration, to put into a handbag or a bag, and to carry. Moreover, it is the container which opens a lid, is made to carry out opening of the whole top face of the body of a container, can take out contents easily or can use them.

[0003] Since the conventional compact container was what is used with the same appearance as the time of sale held until the held contents became unnecessary, it may get bored with the design. Although the thing which enabled it to obtain the sophisticated design which gives the pattern and color of a request on the front face of a compact container to arbitration, and has versatility in JP 59-139204.U was indicated, since it did not have the function to change the appearance at the time of sale, it was difficult for a user to exchange and use a design according to enjoying the original design according to the liking, the four seasons, or a service space.

[0004] This invention can be easily changed to a different appearance from the time of sale, and aims at offer of the compact container which can enjoy the original design according to liking or an environment.

[0005]

[Means for Solving the Problem] In the compact container of a flat configuration with which this invention becomes the one-side section of the body container which held contents, and this body container from the lid by which hinge association was carried out said lid it consists of the transparent or the translucent canopy piled up and joined to this inner lid, holding the plug space section which encloses an information sheet between the inner lid which equips the one-side section with the hinge bond part to said body container, and this inner lid. And said lid attains the above-mentioned purpose by offering the compact container which was equipped with a closing motion means to open and close said plug space section, and made exchangeable said information sheet enclosed.

[0006]

[Embodiment of the Invention] It is a container with the flat rectangle configuration where charges of powder makeup, such as foundation, were held as contents, and the compact container 10 concerning the desirable 1st operation gestalt of this invention shown in drawing 1 (a) and (b) becomes the one-side section of the body container 11 and this body container 11 from the lid 12 by which hinge association was carried out, and has a compact configuration convenient to carry.

[0007] Moreover, according to the **** 1 operation gestalt, a lid 12 consists of the transparency or the translucent canopy 17 piled up and joined to the inner lid 14, holding the plug space

section 16 (refer to drawing 2) which encloses the information sheet 15 between the inner lid 14 which equips the both ends of that one-side section with the hinge projection 13 as a hinge bond part to the body container 11, and this inner lid 14. Moreover, as shown in drawing 2 (a) and (b), a canopy 17 has the concave part to be fitted 20 in which the top-face section 18 and the lateral portion 19 of the inner lid 14 are covered, and the inner lid 14 is inserted. The engagement projection 21 and 21' are respectively prepared in the lateral portion 19 of the inner lid 14 in the inside surface part of the concave part to be fitted 20 of a canopy 17 as a stop means at the time of the engagement slot 22 and 22' attaching a canopy 17 removable at the inner lid 14. And where a canopy (refer to drawing 2 (a)) 17 is piled up by stopping the engagement projection 21 and 21' to the engagement slot 22 and 22', while carrying out wearing immobilization at the inner lid 14. The information sheet 15 which opens and closes (the drawing 2 (b) reference) and the plug space section 16, and is enclosed by opening the stop condition of the engagement projection 21, 21', and the engagement slot 22 and 22' wide, and removing a canopy 17 from the inner lid 14 can be exchanged now.

[0008] As shown in drawing 1 (a) and (b), the body container 11 is the plate-like part material of the rectangle configuration which consists of synthetic resin, and the hold crevice 23 in which the charge of powder makeup is held carries out opening of it to a top-face side, and it is formed in the inside. Moreover, except for a part for the both ends, the joint susceptor 24 is projected and formed in the side at a part for one long side of the body container 11. From both sides, as the hinge projection 13 of the pair of a lid 12 puts between this joint susceptor 24, hinge association is carried out at it.

[0009] The inner lid 14 which constitutes a lid 12 With for example, adhesion Itabe 26 who is the plate-like part material of the rectangle configuration which consists of synthetic resin, has the flat-surface configuration of the body container 11, and the same flat-surface configuration as abbreviation, sticks to the periphery section top face of the hold crevice 23, and opens and closes the hold crevice 23 It leaves adhesion Itabe's 26 periphery section, and it becomes the top face of adhesion Itabe 26 concerned from the installation rest 27 of the rectangle configuration by which junction unification was carried out, and the information sheet 15 is arranged in the top face of the installation rest 27.

[0010] Moreover, the hinge projection 13 of the pair which projected caudad and was prepared from one both ends for a long side of adhesion Itabe 26 has a hexahedron configuration, and is equipped with the hinge hole 28 by which penetration formation was carried out toward the joint susceptor 24. By inserting a hinge pin 29 in this hinge hole 28, and fixing the hinge pin 29 concerned to the both-sides end face of the joint susceptor 24 of the body container 11, hinge association of the inner lid 14 is carried out pivotable up and down to the body container 11.

[0011] The side face is cut and lacked in a part for one long side by the side of the hinge projection 13 of the installation rest 27, and one pair of notching crevice 30 is established in the symmetric position across the center. The deflection engagement projection 21 sets up in these notching crevices 30 from adhesion Itabe 26, and is respectively prepared in them (refer to drawing 2 (a) and (b)). That is, the deflection engagement projection 21 is implanted so that it can bend forward and backward with the elasticity of a support saddle 31, and the undercut section of the shape of a right triangle of the outside projects it outside from the side face of the installation rest 27, and it is arranged. Moreover, across the center, as the right-triangle-like undercut section, fixed engagement projection 21' of a pair projects outside, and is prepared in the side face for a long side of another side of the installation rest 27 in the symmetric position. [0012] It is the covering member which has the flat horseshoe-shaped cross section formed in the periphery of the sheet metal 32 of the rectangle configuration which consists of the transparency or translucent synthetic resin by carrying out the junction unification of the rectangle frame 33, and the canopy 17 which constitutes a lid 12 constitutes the concave part to be fitted 20 in which the inside part of the rectangle frame 33 inserts the installation rest 27. moreover -- a rectangle -- a configuration -- a canopy -- 17 -- a pair -- a long side -- a part -- **** -- a rectangle -- a frame -- 33 -- the inside -- a surface part -- it can set -- a center -- having inserted -- a symmetric position -- a deflection -- engagement -- a projection -- 21 -- and -- immobilization -- engagement -- a projection -- 21 -- -- stopping -- having --

-- a right triangle -- ** -- a pair -- engagement -- a slot -- 22 -- ' -- respectively -- forming -- having -- ****. And holding the plug space section 16 which encloses the information sheet 15 between the top faces of the installation rest 27 by making the lower limit side of the rectangle frame 33 contact the top face of the periphery part of adhesion Itabe 26 located in the perimeter of the installation rest 27, a canopy 17 covers the top-face section 18 and the lateral portion 19 of the installation rest 27, it is laid on top of the inner lid 14, and wearing immobilization is carried out.

[0013] The information sheet 15 enclosed with the plug space section 16 is the film-like member and sheet-like member whose thickness which has the magnitude which can be laid in the top face of the installation rest 27 is about 50-200 micrometers, and the information which consists of the ornament which it becomes from a picture, a photograph, etc., an alphabetic character, a notation, etc. is drawn on the front face according to liking of a user.

[0014] According to the compact container 10 of a **** 1 operation gestalt, the information sheet 15 enclosed with the plug space section 16 can be exchanged for a different thing from the time of sale, and the original design according to a user's liking and environment can be enjoyed easily.

[0015] Namely, the information sheet 15 at the time of sale inserts, and it is enclosed with the space section 16. (Refer to drawing 2 (a)) from the condition that the engagement slot 22 and 22' are respectively stopped by the deflection engagement projection 21 and fixed engagement projection 21', and the canopy 17 is joined to the inner lid 14. If a canopy 17 is made to slide in the direction X which separates from a hinge bond part (refer to drawing 2 (b)), the support saddle 31 of the deflection engagement projection 21 will bend in the direction of X. Since the stop condition over engagement slot 22 of fixed engagement projection 21' is opened wide smoothly, the plug space section 16 can be easily opened by raising a canopy 17 up and removing from the inner lid 14. The information sheet 15 is easily exchangeable for a desired sheet with this.

[0016] If the information sheet 15 is exchanged, location ***** of the part for each long side of a canopy 17 will be carried out, and it will be caudad stuffed into a part for the long side of the inner lid 14 as it is. If a canopy 17 moves caudad and the lower limit side of the rectangle frame 33 contacts adhesion Itabe 26 periphery part by this, sagging the support saddle 31 of the deflection engagement projection 21 in the direction of X While the bent support saddle 31 reverts to erection with the elasticity and the fitting stop of the deflection engagement projection 21 is carried out in the engagement slot 22 Slide migration of the canopy 17 can be carried out in the direction of X, and an opposite direction, fixed engagement projection 21' can insert it, where the fitting stop was carried out at engagement slot 22' and the information sheet 15 is enclosed, and it can blockade the space section 16 easily.

[0017] Thus, the plug space section 16 is opened and closed and, according to the **** 1 operation gestalt, the information sheet 15 is exchanged -- it can come out, the appearance of a container 10 can be changed according to liking, and customize-ization can be attained easily. Moreover, since the perimeter is equipped with the sealing nature of extent into which it is covered with the sheet metal 32 of the inner lid 14 and a canopy 17, and the rectangle frame 33 of a canopy 17, and hair, dust, etc. of hair are not made to invade, the plug space section 16 at the time of enclosure of the information sheet 15 cannot spoil an appearance by these invasion, and can hold easily the feeling of purity as a container for cosmetics. Furthermore, since 2 of the process which makes a canopy 17 slide in the direction of X to the inner lid 14, and the process which raises a canopy 17 up processes are needed in order to remove a canopy 17 from the inner lid 14, for example by the impact at the time of fall etc., it is hard to separate from a canopy 17, and the appearance can be held easily.

[0018] Drawing 3 (a) and (b) show the compact container 40 concerning the 2nd operation gestalt of this invention. According to the compact container 40 of a **** 2 operation gestalt, the joint support projection 43 of the pair by which the hinge hole 44 was formed in a part for the both ends is projected and formed in the side at a part for one long side of the body container 42 of a rectangle configuration with which opening formation of the hold crevice 41 in which the charge of powder makeup is held was carried out. Among these joint support

projections 43, the hinge base 46 of a lid 45 is put, and hinge association is made and carried out.

[0019] The inner lid 48 which constitutes a lid 45 is plate-like part material which has the flat-surface configuration of the same rectangle as the body container 42 and abbreviation, is stuck to the periphery section top face of the hold crevice 41, and opens and closes the hold crevice 41. The hinge base 46 which projects caudad from an edge except for a part for the both ends is established in a part for one long side of the inner lid 48. Hinge association of the inner lid 48 is carried out pivotable up and down to the body container 41 by putting and arranging this hinge base 46 between the joint support projections 43 of the body container 42, inserting a hinge pin 49 in the hinge hole 44, and fixing the hinge pin 49 concerned to the both-sides end face of the hinge base 46. Moreover, the information sheet 15 is arranged in the top face of the inner lid 48.

[0020] The canopy 47 which constitutes a lid 45 is a covering member which has a flat horseshoe-shaped cross section, and is used as the slide section 50 arranged at a hinge bond part side, and a hinge bond part and the fixed part 51 arranged in the opposite side 2 *****. The junction unification of the lower limit contact side of the periphery is carried out through ultrasonic bonding etc. at the top-face periphery section of the inner lid 48, and where the plug space section 52 which inserts the information sheet 15 between the top faces of the inner lid 48 is held, a fixed part 51 is put on the inner lid 48 concerned, and is attached ***** picking. Moreover, it projects to a hinge bond part side from the end face of the side-attachment-wall section 53 of a fixed part 51, and the slide rail 54 is installed, and the plug space section 52 is opened [the slide section 50 is guided with the slide rail 54, and] and closed by moving. In addition, the removable stop means by the piece of a stop by which the undercut was carried out is formed in a part for the adhesion joint between a fixed part 51 and the slide section 50, and at the time of enclosure of the information sheet 15 to the plug space section 52, it is constituted so that it may certainly fix to a fixed part 51, the slide section 50 may be inserted in it and the space section 52 may not open carelessly.

[0021] The information sheet 15 is exchanged suitably and the same operation effectiveness as the compact container 10 of the 1st operation gestalt and abbreviation is done so, making the slide section 50 slide, inserting, and opening and closing the space section 52 also with the compact container 40 of a **** 2 operation gestalt.

[0022] Drawing 4 (a) and (b) show the compact container 60 concerning the 3rd operation gestalt of this invention. According to the compact container 60 of a **** 3 operation gestalt, it is slightly located inside from the both ends, and the joint support projection 63 of the pair in which the hinge hole 64 was formed is projected and formed in the side at a part for one long side of the body container 62 of a rectangle configuration with which opening formation of the hold crevice 61 in which the charge of powder makeup is held was carried out. The hinge base 66 of a lid 65 is put among these joint support projections 63, and hinge association is made and carried out, and hinge association of the rotation section 68 of a canopy 67 is carried out on the outside of the joint support projection 63.

[0023] The inner lid 69 which constitutes a lid 65 is plate-like part material which has the flat-surface configuration of the same rectangle as the body container 62 and abbreviation, is stuck to the periphery section top face of the hold crevice 61, and opens and closes the hold crevice 61. The hinge base 66 which projects caudad from an edge except for a part for the both ends is established in a part for one long side of the inner lid 69. Put and arrange this hinge base 66 between the joint support projections 63 of the body container 62, and the hinge joint projection 70 of the rotation section 68 is arranged on the outside of the joint support projection 63. By inserting a hinge pin 72 in the hinge hole 71 of the hinge joint projection 70 and the hinge hole 64 of the joint support projection 63 which were made to agree, and fixing the hinge pin 72 concerned to the both-sides end face of the hinge base 66 While hinge association of the inner lid 69 is carried out pivotable up and down to the body container 61, hinge association also of the rotation section 68 is carried out pivotable up and down to the body container 61. In addition, the information sheet 15 is arranged in the top face of the inner lid 69.

[0024] The canopy 67 which constitutes a lid 65 is a covering member which has a flat horseshoe-shaped cross section, and is used as the rotation section 68 arranged at a hinge bond

part side, and a hinge bond part and the fixed part 74 arranged in the opposite side 2 ****s. The junction unification of the lower limit contact side of the periphery is carried out through ultrasonic bonding etc. at the top-face periphery section of the inner lid 69, and a fixed part 74 is put on the inner lid 69 concerned, where the plug space section 75 which inserts the information sheet 15 between the top faces of the inner lid 69 is held. Moreover, hinge association is carried out as mentioned above at the body container 61, and the rotation section 68 rotates up and down, inserts, and opens and closes the space section 75. In addition, the removable stop means by the piece of a stop by which the undercut was carried out is formed in a part for the adhesion joint between a fixed part 74 and the rotation section 68, and at the time of enclosure of the information sheet 15 to the plug space section 75, it is constituted so that it may certainly fix to a fixed part 74, the rotation section 68 may be inserted in it and the space section 75 may not open carelessly.

[0025] The information sheet 15 is exchanged suitably and the same operation effectiveness as the compact container 10 of the 1st operation gestalt and abbreviation is done so, rotating the rotation section 68, inserting, and opening and closing the space section 75 also with the compact container 60 of a **** 3 operation gestalt.

[0026] In addition, various modification is possible for the compact container of this invention, without being limited to each above-mentioned operation gestalt. For example, the compact container of this invention can also be used as a container which holds charges of makeup other than the charge of powder makeup, and other contents. Moreover, the compact container of this invention does not necessarily need to be the thing of the product [all / the] made of synthetic resin.

[0027]

[Effect of the Invention] According to the compact container of this invention, it can be made to be able to exchange to a different appearance from the time of sale easily, and the original design according to liking or an environment can be enjoyed easily.

[Translation done.]

* NOTICES *

JP0 and NCIP1 are not responsible for any damages caused by the use of this translation.

- 1.This document has been translated by computer. So the translation may not reflect the original precisely.
- 2.*** shows the word which can not be translated.
- 3.In the drawings, any words are not translated.

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

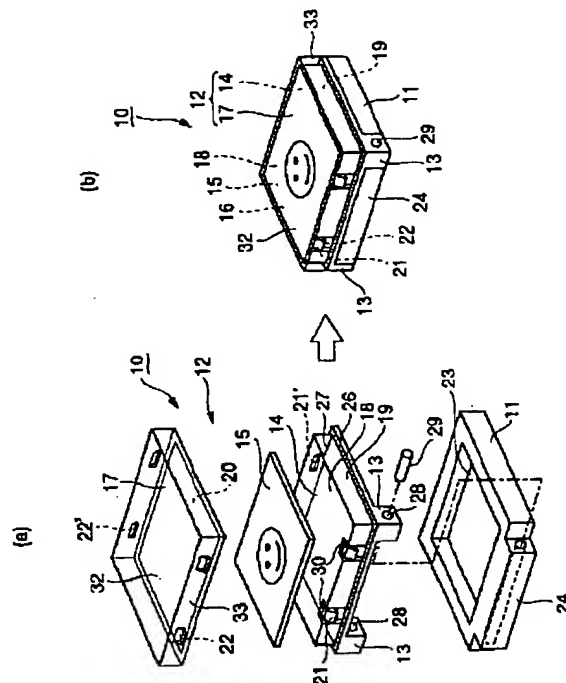
[Drawing 1] The decomposition perspective view of the compact container which (a) requires for the 1st operation gestalt of this invention, and (b) are the perspective views in the condition of having assembled.
[Drawing 2] The sketch sectional view explaining the condition that (a) stopped the canopy on the inner lid of a lid, and (b) are the sketch sectional views explaining the condition of having canceled the stop condition.
[Drawing 3] The decomposition perspective view of the compact container which (a) requires for the 2nd operation gestalt of this invention, and (b) are the perspective views in the condition of having assembled.
[Drawing 4] The decomposition perspective view of the compact container which (a) requires for the 3rd operation gestalt of this invention, and (b) are the perspective views in the condition of having assembled.

[Description of Notations]

- 10, 40, 60 Compact container
- 11, 42, 62 Body container
- 12 45 Lid
- 13 Hinge Projection
- 14, 48, 69 Inside lid
- 15 Information Sheet
- 16, 52, 75 Plug space section
- 17, 47, 67 Canopy
- 18 Top-Face Section of Inner Lid
- 19 Lateral Portion of Inner Lid
- 20 Concave Part to Be Fitted
- 21 Deflection Engagement Projection
- 21' Fixed engagement projection
- 22 22' Engagement slot
- 23, 41, 61 Hold crevice
- 24 Joint Susceptor
- 26 Adhesion Itabe
- 27 Installation Rest
- 28, 44, 64, 71 Hinge hole
- 29, 49, 72 Hinge pin
- 30 Notching Crevice
- 31 Support Saddle
- 32 Sheet Metal
- 33 Rectangle Frame
- 43 63 Joint support projection
- 46 66 Hinge base
- 50 Slide Section

- 51 Fixed Part
- 53 Side-Attachment-Wall Section
- 54 Slide Rail
- 68 Rotation Section
- 70 Hinge Joint Projection
- 74 Fixed Part

[Translation done.]



【特許請求の範囲】

【請求項1】 内容物を収容した本体容器と、該本体容器の一辺部にヒンジ結合された蓋体とからなる平坦な形状のコンパクト容器において、

前記蓋体は、その一辺部に前記本体容器へのヒンジ結合部を備える内蓋と、該内蓋との間に情報シートを封入する差し込み空間部を保持しつつ該内蓋に重ね合わせて接合される透明又は半透明の天蓋とからなり、
且つ前記蓋体は、前記差し込み空間部を開閉する開閉手段を備え、封入される前記情報シートを交換可能としたコンパクト容器。

【請求項2】 前記内容物が化粧料である請求項1記載のコンパクト容器。

【請求項3】 前記天蓋は、前記内蓋の上面部及び側面部を覆って前記内蓋をはめ込む凹嵌部を有し、前記開閉手段は、前記内蓋の側面部及び前記凹嵌部の内側面部に設けられた係止手段を介して前記内蓋に前記天蓋を着脱可能に取り付けることによって構成される請求項1又は2に記載のコンパクト容器。

【請求項4】 前記天蓋は、固定部とスライド部に2分割されており、前記開閉手段は、前記内蓋に接合固定された前記固定部に対して前記スライド部をスライド移動させて前記差し込み空間部を開閉し、前記情報シートの封入時には係止手段を介して前記スライド部を前記固定部に固定することにより構成される請求項1又は2に記載のコンパクト容器。

【請求項5】 前記天蓋は、固定部と回転部に2分割されており、前記開閉手段は、前記内蓋に接合固定された前記固定部に対して前記回転部を回転させて前記差し込み空間部を開閉し、前記情報シートの封入時には係止手段を介して前記回転部を前記固定部に固定することにより構成される請求項1又は2に記載のコンパクト容器。

【発明の詳細な説明】

【0001】

【産業上の利用分野】本発明は、内容物を収容した本体容器と、この本体容器の一辺部にヒンジ結合された蓋体とからなる平坦な形状のコンパクト容器に関する。

【0002】

【従来の技術及び発明が解決しようとする課題】化粧料等の内容物を収容した本体容器と、この本体容器の一辺部にヒンジ結合された蓋体とからなるコンパクト容器は、平坦な形状を有し、ハンドバックや鞆に入れて携帯するのに便利な容器である。また蓋体を開いて容器本体の上面全体を開口させて内容物を容易に取り出ししたり使用したりできる容器である。

【0003】従来のコンパクト容器は、収容された内容物が不用になるまで、販売時と同じ外観を保持したまま用いられるものであったため、そのデザインに飽きる場合がある。実開昭59-139204号には、コンパクト容器の表面に所望の模様や色彩を任意に施し、多様性

のある優れたデザインを得られるようにしたものが開示されているが、販売時の外観を変化させる機能を備えていないため、使用者がその好みに応じたオリジナルなデザインを楽しむことや、四季や使用場所に応じてデザインを取り替えて用いることが困難だった。

【0004】本発明は、販売時とは異なる外観に容易に変化させることができ、好みや環境に応じたオリジナルなデザインを楽しむことが可能なコンパクト容器の提供を目的とする。

【0005】

【課題を解決するための手段】本発明は、内容物を収容した本体容器と、該本体容器の一辺部にヒンジ結合された蓋体とからなる平坦な形状のコンパクト容器において、前記蓋体は、その一辺部に前記本体容器へのヒンジ結合部を備える内蓋と、該内蓋との間に情報シートを封入する差し込み空間部を保持しつつ該内蓋に重ね合わせて接合される透明又は半透明の天蓋とからなり、且つ前記蓋体は、前記差し込み空間部を開閉する開閉手段を備え、封入される前記情報シートを交換可能としたコンパクト容器を提供することにより、上記目的を達成したものである。

【0006】

【発明の実施の形態】図1(a)及び(b)に示す本発明の好ましい第1実施形態に係るコンパクト容器10は、例えば内容物としてファンデーション等の粉末化粧料を収容した矩形形状の平坦な容器であって、本体容器11と、この本体容器11の一辺部にヒンジ結合された蓋体12とからなり、携帯に便利なコンパクトな形状を有する。

【0007】また、本第1実施形態によれば、蓋体12は、本体容器11へのヒンジ結合部としてその一辺部の両端にヒンジ突起13を備える内蓋14と、この内蓋14との間に情報シート15を封入する差し込み空間部16(図2参照)を保持しつつ内蓋14に重ね合わせて接合される透明又は半透明の天蓋17とからなる。また、図2(a)及び(b)に示すように、天蓋17は、内蓋14の上面部18及び側面部19を覆って内蓋14をはめ込む凹嵌部20を有する。内蓋14の側面部19には係合突起21、21'が、天蓋17の凹嵌部20の内側面部には係合溝22、22'が、天蓋17を内蓋14に着脱可能に取り付ける際の係止手段として各々設けられている。そして、係合突起21、21'を係合溝22、22'に係止することにより(図2(a)参照)天蓋17を重ね合わせた状態で内蓋14に装着固定すると共に、係合突起21、21'と係合溝22、22'との係止状態を開放して天蓋17を内蓋14から取り外すことにより(図2(b)参照)、差し込み空間部16を開閉して封入される情報シート15を交換することができるようになっている。

【0008】本体容器11は、図1(a)及び(b)に

示すように、例えば合成樹脂からなる矩形形状の板状部材であって、その内側には、粉末化粧料を収容する収容凹部 23 が上面側に開口して形成されている。また、本体容器 11 の一方の長辺部分には、その両端部分を除いて結合支持台 24 が側方に突出して設けられている。この結合支持台 24 には、蓋体 12 の一対のヒンジ突起 13 が、両側から挟み込むようにしてヒンジ結合される。

【0009】蓋体 12 を構成する内蓋 14 は、例えば合成樹脂からなる矩形形状の板状部材であって、本体容器 11 の平面形状と略同様の平面形状を備え、収容凹部 23 の外周部上面に密着して収容凹部 23 を開閉する密着板部 26 と、密着板部 26 の周縁部を残して当該密着板部 26 の上面に接合一体化された矩形形状の載置台部 27 とからなり、載置台部 27 の上面に情報シート 15 が配設される。

【0010】また密着板部 26 の一方の長辺部分の両端部から下方に突出して設けられた一対のヒンジ突起 13 は、六面体形状を有し、結合支持台 24 に向かって貫通形成されたヒンジ穴 28 を備える。このヒンジ穴 28 にヒンジピン 29 を挿通して当該ヒンジピン 29 を本体容器 11 の結合支持台 24 の両側端面に固定することにより、内蓋 14 は本体容器 11 に対して上下に回転可能にヒンジ結合される。

【0011】載置台部 27 のヒンジ突起 13 側の一方の長辺部分には、その側面を切り欠いて切り欠き凹部 30 が中央を挟んで対称な位置に一対設けられている。これらの切り欠き凹部 30 には、たわみ係合突起 21 が密着板部 26 から立設して各々設けられる（図 2（a）、

（b）参照）。すなわち、たわみ係合突起 21 は、支持脚 31 の弾性により前後にたわむことができるように植設され、その外側の直角三角形形状のアンダーカット部が、載置台部 27 の側面から外側に突出して配置される。また、載置台部 27 の他方の長辺部分の側面には、その中央を挟んで対称な位置に、一対の固定係合突起 21' が直角三角形形状のアンダーカット部として外側に突出して設けられている。

【0012】蓋体 12 を構成する天蓋 17 は、例えば透明又は半透明の合成樹脂からなる矩形形状の薄板 32 の周縁に矩形枠 33 を接合一体化して形成される扁平なコの字状の断面を有するカバー部材であって、矩形枠 33 の内側部分が載置台部 27 をはめ込む凹部 20 を構成する。また、矩形形状の天蓋 17 の一対の長辺部分には、矩形枠 33 の内側面部分における中央を挟んだ対称な位置に、たわみ係合突起 21 及び固定係合突起 21' が係止される直角三角形形状の一対の係合溝 22、22' が各々形成されている。そして、天蓋 17 は、矩形枠 33 の下端面を、載置台部 27 の周囲に位置する密着板部 26 の周縁部分の上面に当接させることにより、載置台部 27 の上面との間に情報シート 15 を封入する差し込み空間部 16 を保持しつつ、載置台部 27 の上面部 18 及

び側面部 19 を覆って内蓋 14 に重ね合わせて装着固定される。

【0013】差し込み空間部 16 に封入される情報シート 15 は、載置台部 27 の上面に載置し得る大きさを有する厚さが 50～200 μm 程度のフィルム状部材やシート状部材であって、その表面に絵や写真等からなる装飾や、文字や記号等からなる情報が、使用者の好みに応じて描かれたものである。

【0014】本第 1 実施形態のコンパクト容器 10 によれば、差し込み空間部 16 に封入される情報シート 15 を販売時とは異なるものと交換して、使用者の好みや環境に応じたオリジナルなデザインを容易に楽しむことができる。

【0015】すなわち、販売時の情報シート 15 が差し込み空間部 16 に封入され、たわみ係合突起 21 及び固定係合突起 21' に係合溝 22、22' が各々係止されて天蓋 17 が内蓋 14 に接合されている状態から（図 2（a）参照）、天蓋 17 をヒンジ結合部から離れる方向 X にスライドさせれば（図 2（b）参照）、たわみ係合突起 21 の支持脚 31 が X 方向にたわんで、固定係合突起 21' の係合溝 22' に対する係止状態がスムーズに開放されるので、天蓋 17 を上方に持ち上げて内蓋 14 から取り外すことにより、差し込み空間部 16 を容易に開放することができる。これによって情報シート 15 を所望のシートに容易に交換することができる。

【0016】情報シート 15 を交換したら、天蓋 17 の各長辺部分を内蓋 14 の長辺部分に位置あわせてそのまま下方に押し込む。これによって、たわみ係合突起 21 の支持脚 31 を X 方向にたわませつつ天蓋 17 が下方に移動し、矩形枠 33 の下端面が密着板部 26 の周縁部分に当接すると、たわんだ支持脚 31 がその弾性により直ちに復元して、たわみ係合突起 21 が係合溝 22 に嵌合係止されると共に、天蓋 17 は X 方向と反対方向にスライド移動し、固定係合突起 21' が係合溝 22' に嵌合係止されて、情報シート 15 を封入した状態で差し込み空間部 16 を容易に閉塞することができる。

【0017】このように、本第 1 実施形態によれば、差し込み空間部 16 を開閉して情報シート 15 を交換するで好みに応じて容器 10 の外観を変化させて、カスタマイズ化を容易に図ることができる。また情報シート 15 の封入時における差し込み空間部 16 は、その周囲が内蓋 14、天蓋 17 の薄板 32 及び天蓋 17 の矩形枠 33 によって覆われて、髪の毛や埃等を侵入させない程度の密閉性を備えるので、これらの侵入によって外観を損なうことがなく、化粧品用の容器としての清潔感を容易に保持することができる。さらに、天蓋 17 を内蓋 14 から取り外すには、天蓋 17 を内蓋 14 に対して X 方向にスライドさせる工程と、天蓋 17 を上方に持ち上げる工程の 2 工程を必要とするので、例えば落下時の衝撃等によっても天蓋 17 が外れにくく、その外観を容易に保持

することができる。

【0018】図3(a)及び(b)は本発明の第2実施形態に係るコンパクト容器40を示すものである。本第2実施形態のコンパクト容器40によれば、粉末化粧料を収容する収容凹部41が開口形成された矩形形状の本体容器42の一方の長辺部分には、その両端部分にヒンジ穴44が形成された一対の結合支持突起43が側方に突出して設けられている。これらの結合支持突起43の間には蓋体45のヒンジ台46が挟み込まれるようにしてヒンジ結合される。

【0019】蓋体45を構成する内蓋48は、本体容器42と略同様の矩形の平面形状を有する板状部材であって、収容凹部41の外周部上面に密着して収容凹部41を開閉する。内蓋48の一方の長辺部分には、その両端部分を除いて縁部から下方に突出するヒンジ台46が設けられている。このヒンジ台46を本体容器42の結合支持突起43の間に挟み込んで配置し、ヒンジ穴44にヒンジピン49を挿通して当該ヒンジピン49をヒンジ台46の両側端面に固定することにより、内蓋48は本体容器41に対して上下に回転可能にヒンジ結合される。また内蓋48の上面には情報シート15が配設される。

【0020】蓋体45を構成する天蓋47は、扁平なコの字状の断面を有するカバー部材であって、ヒンジ結合部側に配置されるスライド部50と、ヒンジ結合部と反対側に配置される固定部51とに2分割されている。固定部51は、その周縁の下端当接面が内蓋48の上面周縁部に超音波接着等を介して接合一体化され、内蓋48の上面との間に、情報シート15を差し込む差し込み空間部52を保持した状態で当該内蓋48に重ね合わせて取り付けられる。また、固定部51の側壁部53の端面からヒンジ結合部側に突出してスライドレール54が延設されており、スライド部50はスライドレール54により案内されて、進退することにより、差し込み空間部52を開閉する。なお、固定部51とスライド部50との間の密着接合部分には、アンダーカットされた係止片等による着脱可能な係止手段が設けられており、差し込み空間部52への情報シート15の封入時には、スライド部50を固定部51に確実に固定して差し込み空間部52が不用意に開かないように構成されている。

【0021】本第2実施形態のコンパクト容器40によっても、スライド部50をスライドさせて差し込み空間部52を開閉しつつ、情報シート15を適宜交換して、第1実施形態のコンパクト容器10と略同様の作用効果を奏する。

【0022】図4(a)及び(b)は本発明の第3実施形態に係るコンパクト容器60を示すものである。本第3実施形態のコンパクト容器60によれば、粉末化粧料を収容する収容凹部61が開口形成された矩形形状の本体容器62の一方の長辺部分には、その両端部から僅か

に内側に位置して、ヒンジ穴64が形成された一対の結合支持突起63が側方に突出して設けられている。これらの結合支持突起63の間には蓋体65のヒンジ台66が挟み込まれるようにしてヒンジ結合され、また結合支持突起63の外側には、天蓋67の回動部68がヒンジ結合される。

【0023】蓋体65を構成する内蓋69は、本体容器62と略同様の矩形の平面形状を有する板状部材であって、収容凹部61の外周部上面に密着して収容凹部61を開閉する。内蓋69の一方の長辺部分には、その両端部分を除いて縁部から下方に突出するヒンジ台66が設けられている。このヒンジ台66を本体容器62の結合支持突起63の間に挟み込んで配置し、結合支持突起63の外側に回動部68のヒンジ結合突起70を配置して、合致させたヒンジ結合突起70のヒンジ穴71と結合支持突起63のヒンジ穴64にヒンジピン72を挿通し、当該ヒンジピン72をヒンジ台66の両側端面に固定することにより、内蓋69は本体容器61に対して上下に回転可能にヒンジ結合されると共に、回動部68もまた本体容器61に対して上下に回転可能にヒンジ結合される。なお、内蓋69の上面には情報シート15が配設される。

【0024】蓋体65を構成する天蓋67は、扁平なコの字状の断面を有するカバー部材であって、ヒンジ結合部側に配置される回動部68と、ヒンジ結合部と反対側に配置される固定部74とに2分割されている。固定部74は、その周縁の下端当接面が内蓋69の上面周縁部に超音波接着等を介して接合一体化され、内蓋69の上面との間に、情報シート15を差し込む差し込み空間部75を保持した状態で当該内蓋69に重ね合わされる。また、回動部68は、上述のように本体容器61にヒンジ結合され、上下に回動して差し込み空間部75を開閉する。なお、固定部74と回動部68との間の密着接合部分には、アンダーカットされた係止片等による着脱可能な係止手段が設けられており、差し込み空間部75への情報シート15の封入時には、回動部68を固定部74に確実に固定して差し込み空間部75が不用意に開かないように構成されている。

【0025】本第3実施形態のコンパクト容器60によっても、回動部68を回転させて差し込み空間部75を開閉しつつ、情報シート15を適宜交換して、第1実施形態のコンパクト容器10と略同様の作用効果を奏する。

【0026】なお、本発明のコンパクト容器は、上記各実施形態に限定されことなく種々の変更が可能である。例えば、本発明のコンパクト容器は、粉末化粧料以外の化粧料や、その他の内容物を収容する容器として使用することもできる。また、本発明のコンパクト容器は、必ずしもその全てが合成樹脂製のものである必要はない。

【0027】

【発明の効果】本発明のコンパクト容器によれば、販売時とは異なる外観に容易に変化させることができ、好みや環境に応じたオリジナルなデザインを容易に楽しむことができる。

【図面の簡単な説明】

【図1】(a)は本発明の第1実施形態に係るコンパクト容器の分解斜視図、(b)は組み立てた状態の斜視図である。

【図2】(a)は蓋体の内蓋に天蓋を係止した状態を説明する略示断面図、(b)は係止状態を解除した状態を説明する略示断面図である。

【図3】(a)は本発明の第2実施形態に係るコンパクト容器の分解斜視図、(b)は組み立てた状態の斜視図である。

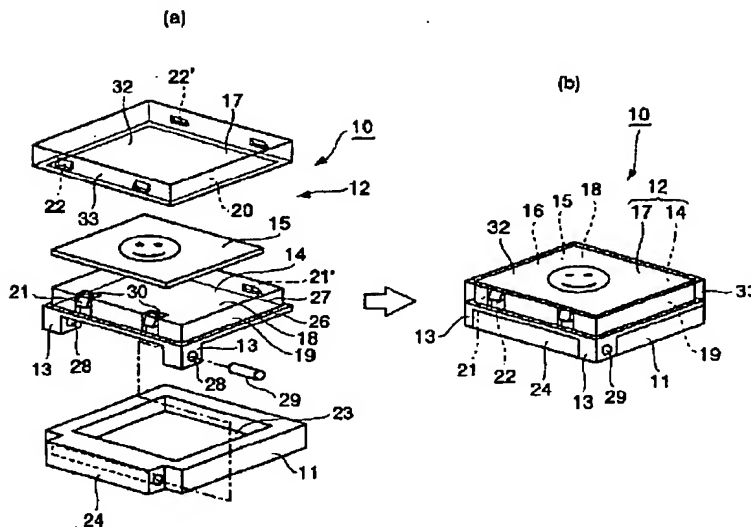
【図4】(a)は本発明の第3実施形態に係るコンパクト容器の分解斜視図、(b)は組み立てた状態の斜視図である。

【符号の説明】

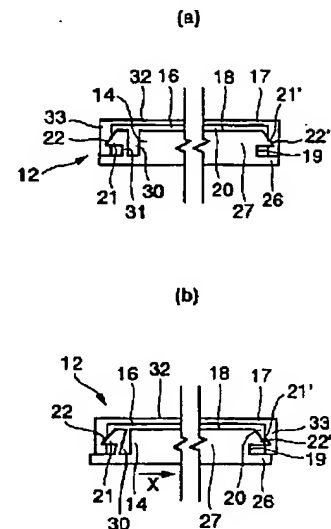
10、40、60 コンパクト容器
11、42、62 本体容器
12、45 蓋体
13 ヒンジ突起
14、48、69 内蓋
15 情報シート
16、52、75 差し込み空間部

17、47、67 天蓋
18 内蓋の上面部
19 内蓋の側面部
20 凹嵌部
21 たわみ係合突起
21' 固定係合突起
22、22' 係合溝
23、41、61 収容凹部
24 結合支持台
26 密着板部
27 載置台部
28、44、64、71 ヒンジ穴
29、49、72 ヒンジピン
30 切り欠き凹部
31 支持脚
32 薄板
33 矩形枠
43、63 結合支持突起
46、66 ヒンジ台
50 スライド部
51 固定部
53 側壁部
54 スライドレール
68 回動部
70 ヒンジ結合突起
74 固定部

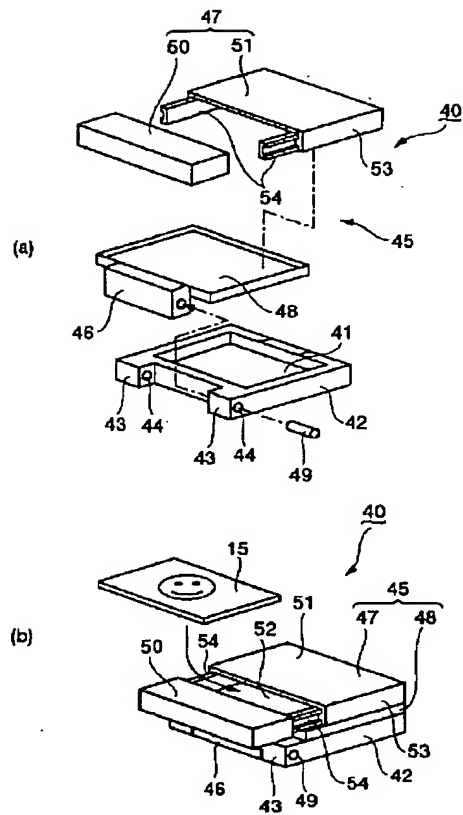
【図1】



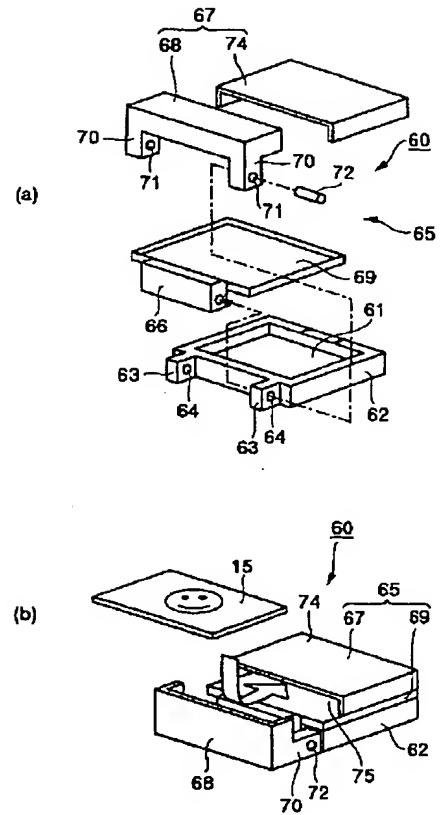
【図2】



【図 3】



【図 4】



フロントページの続き

(72)発明者 麻生 雅晴
東京都墨田区文花 2-1-3 花王株式会社
研究所内

(72)発明者 井手下 裕志
東京都墨田区立花 5-29-10 吉田工業株
式会社内

(72)発明者 柚原 幸知
東京都墨田区立花 5-29-10 吉田工業株
式会社内